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Europäisches Patentamt
European Patent Office
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(11) Publication number:

0 031 567
A3

(12)

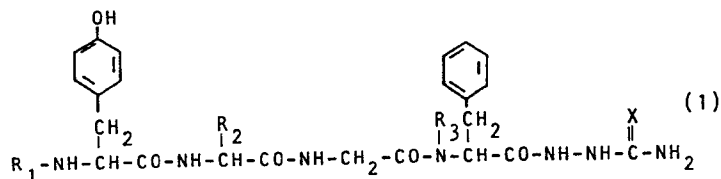
EUROPEAN PATENT APPLICATION

(21) Application number: **80108083.9**(22) Date of filing: **20.12.80**

(51) Int. Cl.³: **C 07 C 103/52**
A 61 K 37/02, C 07 C 133/00
C 07 C 159/00

(30) Priority: **27.12.79 JP 173608/79**(43) Date of publication of application:
08.07.81 Bulletin 81/27(88) Date of deferred publication of search report: **04.11.81**(84) Designated Contracting States:
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D-5000 Köln 1(DE)(54) **Tetrapeptidesemicarbazide derivatives and their production and use.**

(57) Novel tetrapeptidesemicarbazide derivatives, inclusive of a pharmacologically acceptable salt thereof, which has the general formula (I):



wherein R_1 is hydrogen or lower alkyl; R_2 is hydrogen or a D- α -amino acid side chain; R_3 is hydrogen or lower alkyl; X is oxygen or sulfur, are useful as analgesics.

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	<p><u>EP - A - 0 005 248</u> (TAKEDA)</p> <p>* Pages 1-8, 90-92 *</p> <p>--</p> <p><u>DE - A - 1 133 396</u> (VEB)</p> <p>* Complete specification *</p> <p>--</p> <p><u>FR - A - 1 295 832</u> (CIBA)</p> <p>* Pages 1-2 *</p> <p>--</p> <p><u>EP - A - 0 001 684</u> (E. LILLY)</p> <p>* Page 60, claims; figures 1-4 *</p> <p>--</p> <p><u>FR - A - 2 359 817</u> (RECKITT & COL-MAN)</p> <p>* Pages 1-5 *</p> <p>& GB - A - 1 577 115</p> <p>----</p>	<p>1,2,4, 9,10</p> <p>1,2,4, 9,10</p> <p>1,2,4, 9,10</p> <p>1,2,4, 9,10</p> <p>1,2,4, 9,10</p>	<p>C 07 C 103/52 A 61 K 37/02 C 07 C 133/00 159/00</p> <p>TECHNICAL FIELDS SEARCHED (Int. Cl.³)</p> <p>C 07 D 103/52 A 61 K 37/02</p> <p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons</p> <p>& member of the same patent family. corresponding document</p>
<p>1</p> <p>The present search report has been drawn up for all claims</p>			
Place of search		Date of completion of the search	Examiner
The Hague		12-08-1981	RAJIC